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**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/575,361A**DATE: 04/15/97
TIME: 15:12:03**INPUT SET: S17017.raw**

This Raw Listing contains the General
Information Section and up to the first 5 pages.

1 **SEQUENCE LISTING**
23 (1) **General Information:**4 (i) **APPLICANT:** Chandrasegaran, Srinivasan5 (ii) **TITLE OF INVENTION:** A GENERAL METHOD TO CLONE HYBRID
6 RESTRICTION ENDONUCLEASES USING lig GENE7 (iii) **NUMBER OF SEQUENCES:** 358 (iv) **CORRESPONDENCE ADDRESS:**9 (A) **ADDRESSEE:** Cushman Darby & Cushman L.L.P.
10 (B) **STREET:** 1100 New York Avenue, NW, Ninth Floor, East
11 Tower
12 (C) **CITY:** Washington
13 (D) **STATE:** DC
14 (E) **COUNTRY:** USA
15 (F) **ZIP:** 20005-391816 (v) **COMPUTER READABLE FORM:**17 (A) **MEDIUM TYPE:** Floppy disk
18 (B) **COMPUTER:** IBM PC compatible
19 (C) **OPERATING SYSTEM:** PC-DOS/MS-DOS
20 (D) **SOFTWARE:** PatentIn Release #1.0, Version #1.2521 (vi) **CURRENT APPLICATION DATA:**22 (A) **APPLICATION NUMBER:** US
23 (B) **FILING DATE:** 20-DEC-1995
24 (C) **CLASSIFICATION:**25 (viii) **ATTORNEY/AGENT INFORMATION:**26 (A) **NAME:** Kokulis, Paul N.
27 (B) **REGISTRATION NUMBER:** 16,773
28 (C) **REFERENCE/DOCKET NUMBER:** PNK/4130/213779/DJP29 (ix) **TELECOMMUNICATION INFORMATION:**30 (A) **TELEPHONE:** 202-861-3000
31 (B) **TELEFAX:** 202-822-0944
32 (C) **TELEX:** 6714627 CUSH33 (2) **INFORMATION FOR SEQ ID NO:1:**34 (i) **SEQUENCE CHARACTERISTICS:**
35 (A) **LENGTH:** 23 amino acids

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**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/575,361A**DATE: 04/15/97
TIME: 15:12:08**INPUT SET: SI7017.raw**

47 (B) TYPE: amino acid
48 (D) TOPOLOGY: linear
49
50
51
52 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
53
54 Tyr Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Leu
55 1 5 10 15
56
57 Xaa Xaa His Xaa Xaa Xaa His
58 20
59
60 (2) INFORMATION FOR SEQ ID NO:2:
61
62 (i) SEQUENCE CHARACTERISTICS:
63 (A) LENGTH: 24 amino acids
64 (B) TYPE: amino acid
65 (D) TOPOLOGY: linear
66
67
68
69 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
70
71 Tyr Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Leu
72 1 5 10 15
73
74 Xaa Xaa His Xaa Xaa Xaa Xaa His
75 20
76
77 (2) INFORMATION FOR SEQ ID NO:3:
78
79 (i) SEQUENCE CHARACTERISTICS:
80 (A) LENGTH: 25 amino acids
81 (B) TYPE: amino acid
82 (D) TOPOLOGY: linear
83
84
85
86 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
87
88 Tyr Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Leu
89 1 5 10 15
90
91 Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His
92 20 25
93
94 (2) INFORMATION FOR SEQ ID NO:4:
95
96 (i) SEQUENCE CHARACTERISTICS:
97 (A) LENGTH: 24 amino acids
98 (B) TYPE: amino acid
99 (D) TOPOLOGY: linear

**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/575,361A**DATE: 04/15/97
TIME: 15:12:14**INPUT SET: S17017.raw**

100
101
102
103 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
104
105 Tyr Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa
106 1 5 10 15
107
108 Leu Xaa Xaa His Xaa Xaa Xaa His
109 20
110
111 (2) INFORMATION FOR SEQ ID NO:5:
112
113 (i) SEQUENCE CHARACTERISTICS:
114 (A) LENGTH: 25 amino acids
115 (B) TYPE: amino acid
116 (D) TOPOLOGY: linear
117
118
119
120 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
121
122 Tyr Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa
123 1 5 10 15
124
125 Leu Xaa Xaa His Xaa Xaa Xaa Xaa His
126 20 25
127
128 (2) INFORMATION FOR SEQ ID NO:6:
129
130 (i) SEQUENCE CHARACTERISTICS:
131 (A) LENGTH: 26 amino acids
132 (B) TYPE: amino acid
133 (D) TOPOLOGY: linear
134
135
136
137 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
138
139 Tyr Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa
140 1 5 10 15
141
142 Leu Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His
143 20 25
144
145 (2) INFORMATION FOR SEQ ID NO:7:
146
147 (i) SEQUENCE CHARACTERISTICS:
148 (A) LENGTH: 25 amino acids
149 (B) TYPE: amino acid
150 (D) TOPOLOGY: linear
151
152

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/575,361ADATE: 04/15/97
TIME: 15:12:19**INPUT SET: SI7017.raw**

153
154 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
155
156 Tyr Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa
157 1 5 10 15
158
159 Xaa Leu Xaa Xaa His Xaa Xaa Xaa His
160 20 25
161
162 (2) INFORMATION FOR SEQ ID NO:8:
163
164 (i) SEQUENCE CHARACTERISTICS:
165 (A) LENGTH: 26 amino acids
166 (B) TYPE: amino acid
167 (D) TOPOLOGY: linear
168
169
170
171 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
172
173 Tyr Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa
174 1 5 10 15
175
176 Xaa Leu Xaa Xaa His Xaa Xaa Xaa Xaa His
177 20 25
178
179 (2) INFORMATION FOR SEQ ID NO:9:
180
181 (i) SEQUENCE CHARACTERISTICS:
182 (A) LENGTH: 27 amino acids
183 (B) TYPE: amino acid
184 (D) TOPOLOGY: linear
185
186
187
188 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
189
190 Tyr Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa
191 1 5 10 15
192
193 Xaa Leu Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His
194 20 25
195
196 (2) INFORMATION FOR SEQ ID NO:10:
197
198 (i) SEQUENCE CHARACTERISTICS:
199 (A) LENGTH: 23 amino acids
200 (B) TYPE: amino acid
201 (D) TOPOLOGY: linear
202
203
204
205 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/575,361A**

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206 Phe Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu
 207 1 5 10 15
 208

209
210 Xaa Xaa His Xaa Xaa Xaa His
211 20

213 (2) INFORMATION FOR SEO ID NO:11:

214
215 (i) SEQUENCE CHARACTERISTICS:
216 (A) LENGTH: 24 amino acids
217 (B) TYPE: amino acid
218 (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

223
224 Phe Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu
225 1 5 10 15

226
227 Xaa Xaa His Xaa Xaa Xaa Xaa His
228 20

230 (2) INFORMATION FOR SEQ ID NO:12:

231 (i) SEQUENCE CHARACTERISTICS:
232 (A) LENGTH: 25 amino acids
233 (B) TYPE: amino acid
234 (D) TOPOLOGY: linear

239 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

241 Phe Xaa Cys Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu
 242 1 5 10 15

244 Xaa Xaa His Xaa Xaa Xaa Xaa Xaa His
245 20 25

247 (2) INFORMATION FOR SEQ ID NO:13:

249 (i) SEQUENCE CHARACTERISTICS:
250 (A) LENGTH: 24 amino acids
251 (B) TYPE: amino acid
252 (D) TOPOLOGY◆ linear

256 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

258 Phe Xaa Cys Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Xaa

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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION **US/08/575,361A**

DATE: 04/15/97
TIME: 15:12:30

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Line	Error	Original Text
28	Wrong application Serial Number	(A) APPLICATION NUMBER: US